



Level 1 Validation Certificate

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 9/17/2019

Water Supplier

Supplier Name: Seal Beach

Supplier Participants: David Spitz, Darrick Escobedo, Grant Tavasci

Key Audit Metrics

Data Validity Score: 71

ILI: 1.16

Real Loss: 17.05 gal / conn / day

Apparent Loss: 5.47 gal / conn / day

Non-Revenue Water as Percent of Cost of Operating System:
4.3%

Validator

Validator: Sarah Reed-Guy,
Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name: City of Seal Beach

Water Supplier Public Water System ID: 3020041

Water Audit Period: Calendar Year 2018

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

As with past years, the City has continued with small meter testing and replacement of meters that are deemed broken or damaged. With less damaged meters, our meter accuracy has improved. In addition, we have incorporated import meter accuracy readings and calibration into our system. We have slowly been rolling out SCADA controls in some of our water facilities. More will be upgraded in the future. We will include leak detection in 2019.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print): Steve Myrter, P.E.

Executive Position: Director of Public Works

Signature:



Date

9/26/19